



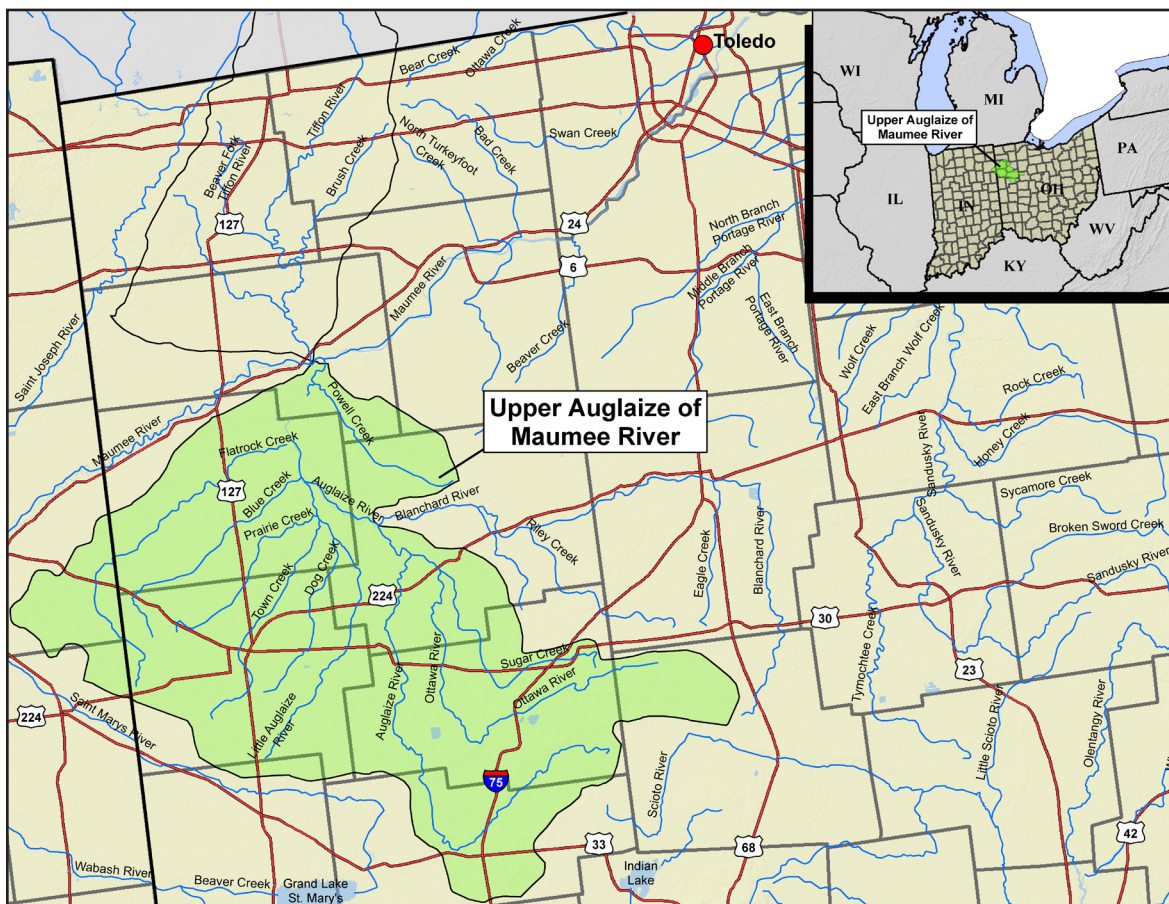
United States Department of Agriculture

## Conservation Effects Assessment Project (CEAP)

### Watershed Fact Sheet

## Upper Auglaize Watershed, Ohio: 2004-2006

An NRCS\* Special Emphasis Watershed, one of 24 CEAP watershed projects.



## CEAP Assessment

Assess the effects of subsurface drainage and other related best management practices on water quality.

### Watershed Description

The Upper Auglaize River watershed is a sub-watershed of the Maumee River basin.

- 212,000 acres
- 83% of the watershed is tile drained
- 74.2% cropland, 10.8% grassland
- A Total Maximum Daily Load (TMDL) has been established for total phosphorus, dissolved oxygen, bacteria, and habitat.

Issues: Watershed contributes a significant amount of sediment to the Maumee River that is then transported to Toledo Harbor. Farm fields are extensively tile drained and the area has a very extensive network of drainage ditches. Intensive farming practices have stressed the habitat needs of wildlife.

\*Natural Resources Conservation Service





First Conservation Security Program contract signing ceremony.

## Collaborators

- USDA Agricultural Research Service
- U.S. Geological Survey
- Ohio Department of Natural Resources, Division of Soil and Water
- Ohio Environmental Protection Agency
- Allen, Auglaize, Van Wert & Putnam Soil and Water Conservation Districts
- U.S. Army Corps of Engineers
- University of Toledo
- Heidelberg College
- Ohio State University

## Approach

Water Sampling: Sediment, nutrients

Watershed Models: AnnAGNPS (Annualized Agricultural Non-Point Source)

Water Quality Monitoring: Suspended sediment, nutrients, metals, and pesticides

## Communicating Results

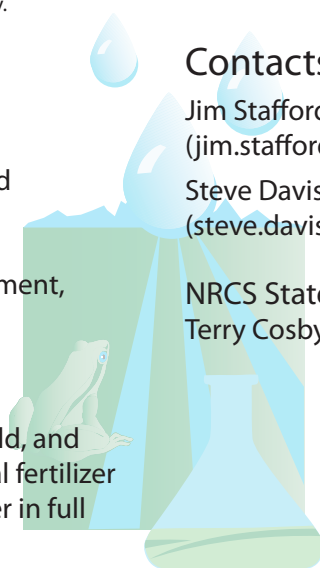
Report effects of conservation on erosion, yield, and loading; report effects of agricultural chemical fertilizer on pilot subarea; and report effects of fertilizer in full Upper Auglaize River watershed.

## Contacts

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Riparian buffer along waterway.

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<http://www.nrcs.usda.gov/technical/nri/ceap/>